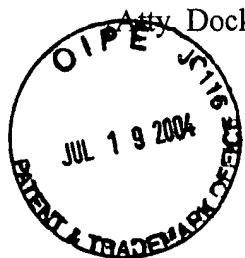


IFW



Atty. Docket No.: 448563/0231

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: **Minoru Usui, et al.**

Serial No.: **10/670,830**

Art Unit: **Not Yet Known**

Filed: **September 25, 2003**

Examiner: **Not Yet Known**

For: **VALVE UNIT IN INK SUPPLY CHANNEL OF INK-JET RECORDING APPARATUS, INK CARTRIDGE USING THE VALVE UNIT, INK SUPPLY NEEDLE AND METHOD OF PRODUCING THE VALVE UNIT**

July 16, 2004

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and pursuant to 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed List of References Cited by Applicant(s) form (PTO-1449).

Copies of the listed foreign references are enclosed. For the Examiner's convenience, English abstracts of the cited foreign references have been provided, when available. Copies of the cited U.S. references have not been provided, in accordance with the Notice entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published

Applications in Patent Applications filed after June 30, 2003" set forth at 1276 O.G. 55.¹ The present application, it should be noted, was filed after June 30, 2003, on September 25, 2003.

Please be advised that U.S. Patent Nos. 5,815,185 and 6,000,788 were previously erroneously cited as 5,815,186 and 6,000,700, and accordingly are cited herein with the correct patent numbers.

This Information Disclosure Statement is being cited in accordance with 37 C.F.R. § 1.97(b)(3), to the best of the undersigned's knowledge, before the mailing of an Office Action, and so no fee is believed to be due.

Nevertheless, the Commissioner is authorized to charge any fee which may be required for the filing of this Information Disclosure Statement, as well as any other fee which may now or hereafter be due, to Deposit Account No. 19-4709.

It is respectfully requested that the above information be considered by the Examiner and that an initialed copy of the enclosed List of References Cited by Applicant(s) form (PTO-1449) be returned indicating that such information has been considered.

¹ The relevant portion of that Notice reads:

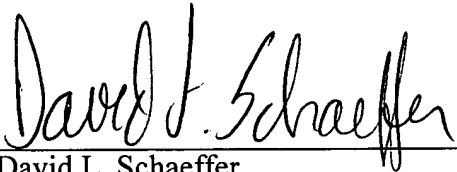
Waiver

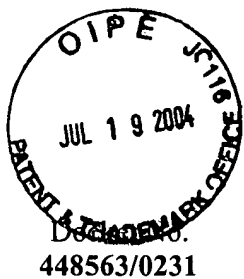
The Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003. See 37 CFR 1.491(b). For all patent applications filed on or before June 30, 2003, copies of cited U.S. patents and patent application publications are still required unless an eIDS is filed.

Applicants are still required to submit copies of foreign patent documents and non-patent literature in accordance with 37 CFR 1.98(a)(2).

Favorable consideration and prompt allowance of this application is respectfully requested. In the event that there are any questions, or should additional information be required, please do not hesitate to contact applicant's attorney at the number listed below.

Respectfully submitted,

By 
David L. Schaeffer
Reg. No. 32,716
Attorney for Applicant
Stroock & Stroock & Lavan LLP
180 Maiden Lane
New York, New York 10038-4982
(212) 806-5400



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: **Minoru Usui, et al.**

Group Art Unit: **Not Yet Known**

Application No.: **10/670,830**

Examiner: **Not Yet Known**

Filed: **September 25, 2003**

For: **VALVE UNIT IN INK SUPPLY CHANNEL OF INK-JET RECORDING
APPARATUS, INK CARTRIDGE USING THE VALVE UNIT, INK SUPPLY
NEEDLE AND METHOD OF PRODUCING THE VALVE UNIT**

Date: **July 16, 2004**

CERTIFICATE OF MAILING
BY "FIRST CLASS MAIL" (37 C.F.R. § 1.8)

Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Sir:

I hereby certify that the following correspondence:

**Return Receipt Postcard; Supplemental Information Disclosure Statement (3 pgs.); Form
PTO-1449 (8 pgs.); 59 References**

is being deposited on **July 16, 2004** with the United States Postal Service
as first class mail in an envelope bearing sufficient postage thereon and addressed to:

**Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450.**

Jeong Eun Lee

(Typed Or Printed Name Of Person Mailing Correspondence)

(Signature Of Person Mailing Correspondence)

FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		ATTY DOCKET NO. 448563/0231		APPLICATION NO. 10/670,830	
		APPLICANT Usui et al.			
		FILING DATE September 25, 2003		GROUP 2861	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2,526,019	10/17/1950	Fowler			
	3,270,771	9/6/1966	Morgan et al.			
	3,354,902	11/28/1967	Obermaier			
	3,779,274	12/18/1973	Kelly			
	3,941,149	3/2/1976	Mittleman			
	4,152,710	5/1/1979	Matsuba et al.			
	4,183,031	1/8/1980	Kyser et al.			
	4,514,742	4/30/1985	Suga et al.			
	4,520,369	5/28/1985	Shackleton			
	4,628,576	12/16/1986	Giachino et al.			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
DE 1 009 870	6/30/1955	Germany			
GB 751 289	6/27/1956	Great Britain			Eng. Orig.
FR 1 145 605	10/28/1957	France			
DE 1 852 284	11/30/1961	Germany			
DE 1 550 194	8/28/1969	Germany			
DE 2 230 642	12/28/1972	Germany			
JP 56 013183	2/9/1981	Japan			w/ Eng. Abst.

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,677,447	6/30/1987	Nielson			
	4,700,202	10/13/1987	Kuranishi et al.			
	4,869,282	9/26/1989	Sittler et al.			
	4,893,138	1/9/1990	Terasawa et al.			
	4,971,527	11/20/1990	Dick			
	5,039,997	8/13/1991	Pullen et al.			
	5,040,002	8/13/1991	Pollacek et al.			
	5,138,344	8/11/1992	Ujita			
	5,280,300	1/18/1994	Fong et al.			
	5,305,795	4/26/1994	Forberg			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT	
	JP 57 006777	1/13/1982	Japan			w/ Eng. Abst.	
	JP 57 197176 A	12/3/1982	Japan			w/ Eng. Abst.	
	JP 58 036457 A	3/3/1983	Japan			w/ Eng. Abst.	
	DE 3 202 796 A1	8/4/1983	Germany				
	JP 59 176545	10/5/1984	Japan				
	GB 2 147 975	5/22/1985	Great Britain			Eng. Orig.	
	JP 62 231759	10/12/1987	Japan				

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,343,226	8/30/1994	Nidermeyeyr et al.			
	5,367,328	11/22/1994	Erickson			
	5,388,615	2/14/1995	Edlund et al.			
	5,426,459	6/20/1995	Kaplinsky			
	5,453,772	9/26/1995	Aono et al.			
	5,477,963	12/26/1995	Mochizuki et al.			
	5,539,437	7/23/1996	Penwell			
	5,500,663	3/19/1996	Ujita et al.			
	5,646,664	7/8/1997	Pawlowski, Jr.			
	5,653,251	8/5/1997	Handler			

FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
EP 0 339 770 A2	11/2/1989	EPO			Eng. Orig.		
JP 2 072271	3/12/1990	Japan			w/ Eng. Abst.		
JP 2 198862	8/7/1990	Japan			w/ Eng. Abst.		
EP 0 412 643 A1	2/13/1991	EPO			Eng. Orig.		
EP 0 424 133 A2	4/24/1991	EPO			Eng. Orig.		
JP 4 073158	3/9/1992	Japan			w/ Eng. Abst.		
WO 92/12371	7/23/1992	Japan			Eng. Orig.		

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		5,657,058	8/12/1997	Mochizuki et al.			
		5,691,753	11/25/1997	Hilton			
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		5,737,001	4/7/1998	Taylor			
		5,751,319	5/12/1998	Robertson et al.			
		5,777,646	7/7/1998	Barinaga et al.			
		5,796,419	8/18/1998	Clark et al.			
		5,815,185	9/29/1998	Pietrzyk			
		5,969,737	10/19/1999	Koyama et al.			
		6,000,788	12/14/1999	Iida			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
		EP 0 509 686 A2	10/21/1992	EPO			Eng. Orig.
		JP 5 050609	3/2/1993	Japan			w/ Eng. Abst.
		EP 0 529 880 B1	3/3/1993	EPO			Eng. Orig.
		JP 5 162324 A	6/29/1993	Japan			w/ Eng. Abst.
		JP 5 201018	8/10/1993	Japan			w/ Eng. Abst.
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		EP 0 562 717 A1	9/29/1993	EPO			Eng. Orig.

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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

APPLICANT

Usui et al.LIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

FILING DATE

September 25, 2003

GROUP

2861

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,130,696	10/10/2000	Mashita et al.			
	6,193,364	2/27/2001	Iida			
	6,238,042	5/29/2001	Kobayashi et al.			
	6,332,481	12/25/2001	Shinada et al.			
	6,383,436	5/7/2002	Nishimuro et al.			
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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
EP 0 631 874 A2	1/4/1995	EPO			Eng. Orig.
JP 8 174860	7/9/1996	Japan			w/ Eng. Abst.
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EP 0 827 836 A1	3/11/1998	EPO			Eng. Orig.
JP 10 086402	4/7/1998	Japan			w/ Eng. Abst.

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	6,585,358	7/1/2003	Usui et al.			
	6,648,459	11/18/2003	Usui et al.			8/7/01
	6,666,551	12/23/2003	Kobayashi et al.			11/27/01
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	2002/0109760	8/15/2002	Miyazawa et al.			
	2002/0135646	9/26/2002	Usui			
	2002/0154200	10/24/2002	Miyazawa et al.			
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GB 2 323 332 A	9/23/1998	Great Britain			Eng. Orig.		
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	2002/0171723	11/21/2002	Ota et al.			
	2002/0180849	12/5/2002	Sakai et al.			
	2003/0007043	1/9/2003	Ota et al.			
	2003/0058312	3/27/2003	Iida			
	2003/0058313	3/27/2003	Iida			
	2003/0085970	5/8/2003	Sakai et al.			
	2003/0103119	6/5/2003	Sakai et al.			
	2003/0107627	6/12/2003	Seino et al.			
	2003/0107629	6/12/2003	Kobayashi et al.			
	2003/0128261	7/10/2003	Usui et al.			

FOREIGN PATENT DOCUMENTS						
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT	
EP 0 919 384 A2	6/2/1999	EPO			Eng. Orig.	
JP 11 170558 A	6/29/1999	Japan			w/ Eng. Abst.	
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EP 0 956 958 A2	11/17/1999	EPO			Eng. Orig.	
WO 00/03877 A1	1/27/2000	Japan			w/ Eng. Abst.	
EP 1 016 533 A1	7/5/2000	EPO			Eng. Orig.	
EP 1 125 747 A2	8/22/2001	EPO			Eng. Orig.	

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	2003/0146959	8/7/2003	Iida				
	2004/0051766	3/18/2004	Miyazawa et al.			2/14/03	
	2004/0085415	5/6/2004	Kobayashi et al.			10/29/03	
	09/525,477	3/15/2000	Miyazawa				
	10/778,766	2/13/2004	Miyazawa et al.			2/13/2004	
	10/819,756	4/6/2004	Miyazawa			4/6/2004	
	10/826,918	4/16/2004	Miyazawa et al.			4/16/2004	

FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
JP 2001-270129	10/2/2001	Japan			w/ Eng. Abst.		
WO 01/78988 A1	10/25/2001	Japan			w/ Eng. Abst.		
JP 2002-103642	4/9/2002	Japan			w/ Eng. Abst.		
EP 1 199 178 A1	4/24/2002	EPO			Eng. Orig.		
EP 1 258 358 A1	11/20/2002	EPO			Eng. Orig.		
EP 1 270 235 A1	1/2/2003	EPO			Eng. Orig.		

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